



TORQ Analysis of Industrial Truck and Tractor Operators to Refuse and Recyclable Material Collectors

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Industrial Truck and Tractor Operators	53-7051.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Refuse and Recyclable Material Collectors	53-7081.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

88

Ability TORQ				Skills TORQ				Knowledge TORQ			
Level		<div><div></div></div> 92		Level		<div><div></div></div> 90		Level		<div><div></div></div> 81	
Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Speech Recognition	39	2	56	No Skills Upgrade Required!				Customer and Personal Service	57	21	70

LEVEL and IMPT (IMPORTANCE) refer to the Target Refuse and Recyclable Material Collectors. GAP refers to level difference between Industrial Truck and Tractor Operators and Refuse and Recyclable Material Collectors.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Industrial Truck and Tractor Operators	Refuse and Recyclable Material Collectors	Importance
Multilimb Coordination	57	44	62
Control Precision	55	50	59
Near Vision	41	35	59
Oral Comprehension	53	44	56
Oral Expression	46	39	56
Problem Sensitivity	42	32	56
Depth Perception	55	39	56
Speech Recognition	37	39	56
Arm-Hand Steadiness	41	34	53
Manual Dexterity	44	39	53
Static Strength	71	44	53



Written Comprehension	42	<div></div>	30	<div></div>	50
Deductive Reasoning	41	<div></div>	34	<div></div>	50
Inductive Reasoning	37	<div></div>	34	<div></div>	50
Information Ordering	44	<div></div>	35	<div></div>	50
Selective Attention	46	<div></div>	34	<div></div>	50
Reaction Time	57	<div></div>	37	<div></div>	50
Far Vision	46	<div></div>	34	<div></div>	50
Speech Clarity	41	<div></div>	39	<div></div>	50
Skill Level Comparison - Abilities with importance scores over 69					
Description	Industrial Truck and Tractor Operators		Refuse and Recyclable Material Collectors		Importance
Knowledge Level Comparison - Knowledge with importance scores over 69					
Description	Industrial Truck and Tractor Operators		Refuse and Recyclable Material Collectors		Importance
Customer and Personal Service	36	<div></div>	57	<div></div>	70

Experience & Education Comparison							
Related Work Experience Comparison				Required Education Level Comparison			
Description		Industrial Truck and Tractor Operators	Refuse and Recyclable Material Collectors	Description		Industrial Truck and Tractor Operators	Refuse and Recyclable Material Collectors
10+ years		0%	0%	Doctoral		0%	0%
8-10 years		0%	0%	Professional Degree		0%	0%
6-8 years		0%	0%	Post-Masters Cert		0%	0%
4-6 years		0%	0%	Master's Degree		0%	0%
2-4 years		22%	4%	Post-Bachelor Cert		0%	0%
1-2 years		9%	15%	Bachelors		0%	0%
6-12 months		24%	14%	AA or Equiv		0%	0%
3-6 months		15%	0%	Some College		0%	0%
1-3 months		13%	20%	Post-Secondary Certificate		29%	8%
0-1 month		6%	8%	High School Diploma or GED		59%	54%
None		8%	36%	No HSD or GED		11%	37%
Industrial Truck and Tractor Operators				Refuse and Recyclable Material Collectors			
Most Common Educational/Training Requirement:							
Short-term on-the-job training				Short-term on-the-job training			
Job Zone Comparison							
2 - Job Zone Two: Some Preparation Needed				2 - Job Zone Two: Some Preparation Needed			
Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.				Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.			
These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.				These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.			



Employees in these occupations need anywhere from a few months to one year of working with experienced employees.

Employees in these occupations need anywhere from a few months to one year of working with experienced employees.

Tasks

Industrial Truck and Tractor Operators

Core Tasks

Generalized Work Activities:

- Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Identifying Objects, Actions, and Events - Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.

Specific Tasks

Occupation Specific Tasks:

- Hook tow trucks to trailer hitches and fasten attachments, such as graders, plows, rollers, and winch cables to tractors, using hitchpins.
- Manually load or unload materials onto or off pallets, skids, platforms, cars, or lifting devices.
- Move controls to drive gasoline- or electric-powered trucks, cars, or tractors and transport materials between loading, processing, and storage areas.
- Move levers and controls that operate lifting devices, such as forklifts, lift beams and swivel-hooks, hoists, and elevating platforms, to load, unload, transport, and stack material.
- Operate or tend automatic stacking, loading, packaging, or cutting machines.
- Perform routine maintenance on vehicles and auxiliary equipment, such as cleaning, lubricating, recharging batteries, fueling, or replacing liquefied-gas tank.
- Position lifting devices under, over, or around loaded pallets, skids, and boxes, and secure material or products for transport to designated areas.
- Signal workers to discharge, dump, or

Refuse and Recyclable Material Collectors

Core Tasks

Generalized Work Activities:

- Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.

Specific Tasks

Occupation Specific Tasks:

- Clean trucks and compactor bodies after routes have been completed.
- Communicate with dispatchers concerning delays, unsafe sites, accidents, equipment breakdowns, and other maintenance problems.
- Dismount garbage trucks to collect garbage and remount trucks to ride to the next collection point.
- Drive to disposal sites to empty trucks that have been filled.
- Drive trucks along established routes through residential streets and alleys, or through business and industrial areas.
- Fill out any needed reports for defective equipment.
- Inspect trucks prior to beginning routes to ensure safe operating condition.
- Keep informed of road and weather conditions to determine how routes will be affected.
- Operate automated or semi-automated hoisting devices that raise refuse bins and dump contents into openings in truck



- Signal workers to discharge, dump, or level materials.
- Turn valves and open chutes to dump, spray, or release materials from dump cars or storage bins into hoppers.
- Weigh materials or products, and record weight and other production data on tags or labels.

Detailed Tasks

Detailed Work Activities:

- fasten attachments or accessories to tractor
- inspect material moving equipment
- load, unload, or stack containers, materials, or products
- maintain or repair cargo or passenger vehicle
- maintain production or work records
- measure, weigh, or count products or materials
- move or fit heavy objects
- operate cargo handling gear
- operate forklift
- operate material moving, loading, or unloading equipment
- operate packaging or banding machine or equipment
- operate tractor with accessories or attachments
- perform safety inspections in manufacturing or industrial setting
- signal directions or warnings to coworkers
- use hand or power tools
- use vehicle repair tools or safety equipment
- use weighing or measuring devices in transportation

Technology - Examples

Inventory management software

- Argos Software ABECAS Insight WMS
- ATMS StockTrack PLUS
- BarControl Enterprise Manager iBEM
- IntelliTrack Warehouse Management System WMS
- Lilly Software Associates VISUAL DCMS
- Midland Information Systems inventory management software
- Motek Priya
- RedPrairie DLx Warehouse

bodies.

- Operate equipment that compresses the collected refuse.
- Organize schedules for refuse collection.
- Provide quotes for refuse collection contracts.
- Refuel trucks and add other necessary fluids, such as oil.
- Sort items set out for recycling and throw materials into designated truck compartments.
- Tag garbage or recycling containers to inform customers of problems such as excess garbage or inclusion of items that are not permitted.

Detailed Tasks

Detailed Work Activities:

- drive truck with capacity greater than 3 tons
- load, unload, or stack containers, materials, or products
- move or fit heavy objects
- use truck-mounted hydraulic lifts or other accessories
- use two-way radio or mobile phone

Technology - Examples



- SAP warehouse management software

Materials requirements planning logistics and supply chain software

- Aldata G.O.L.D. software

- SSA Global Supply Chain Management

Tools - Examples

- Belt conveyors

- Bulk liquid trucks

- Container reach stackers

- Hustlers

- Industrial crane trucks

- Bridgeplates

- Dockboards

- Dollies

- Flatbed trailers

- Booms

- Cantilever trucks

- Fork-grapples

- Motorized hand trucks

- Overhead hoists

- Jacks

- Combination vacuum lifts

- High-lift order picker trucks

- Tank trailers

- Pallet trucks

- Personal computers

- Personnel and burden carriers

- Snow plows

- Swivel hooks

- Telescopic forklifts

- On-board computers for sending/receiving instructions

- Wheel chocks

- Banding equipment



Labor Market Comparison

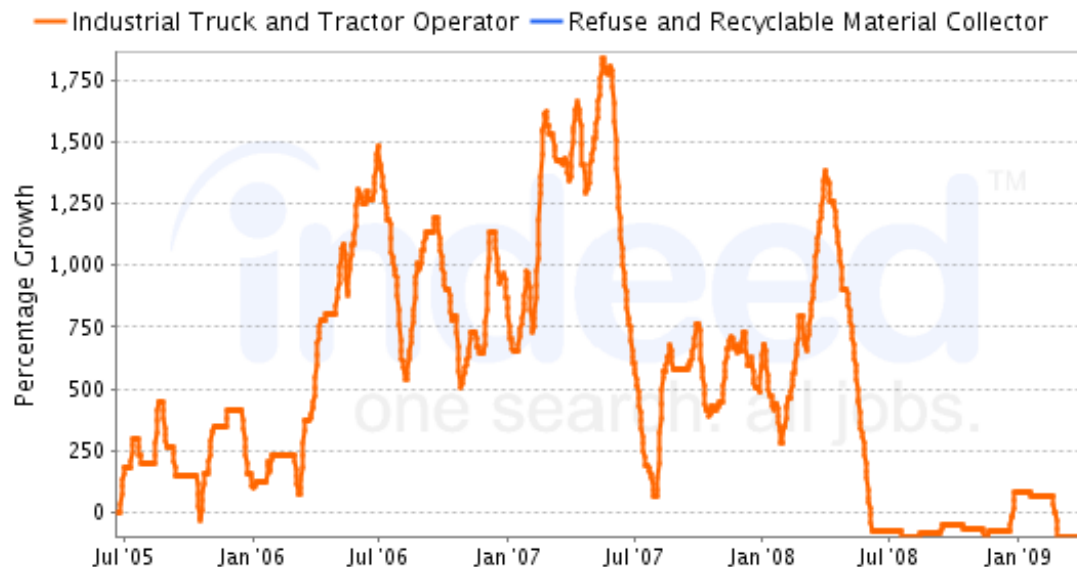
Description	Industrial Truck and Tractor Operators	Refuse and Recyclable Material Collectors	Difference
Median Wage	\$ 26,160	\$ 22,780	\$(3,380)
10th Percentile Wage	\$ 20,690	\$ 15,690	\$(5,000)
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 32,090	\$ 28,570	\$(3,520)
90th Percentile Wage	\$ 38,670	\$ 33,230	\$(5,440)
Mean Wage	\$ 27,920	\$ 23,640	\$(4,280)
Total Employment - 2007	3,210	930	-2,280
Employment Base - 2006	3,240	1,343	-1,897
Projected Employment - 2016	3,180	1,356	-1,824
Projected Job Growth - 2006-2016	-1.8 %	1.0 %	2.8 %
Projected Annual Openings - 2006-2016	82	37	-45

National Job Posting Trends

Trend for Industrial Truck and Tractor Operators

Trend for
Refuse
and
Recyclable
Material
Collectors

Job Trends from Indeed.com

Data from [Indeed](http://Indeed.com)



Recommended Programs

No program data for the occupation.

Maine Statewide Promotion Opportunities for Industrial Truck and Tractor Operators

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
53-7051.00	Industrial Truck and Tractor Operators	100	2	3,210	\$26,160.00	\$0.00	-2%	82
53-3032.00	Truck Drivers, Heavy and Tractor-Trailer	85	2	9,940	\$31,140.00	\$4,980.00	3%	246
51-9191.00	Cementing and Gluing Machine Operators and Tenders	84	1	80	\$27,620.00	\$1,460.00	-15%	2
47-4051.00	Highway Maintenance Workers	84	2	2,210	\$28,790.00	\$2,630.00	7%	60
47-4061.00	Rail-Track Laying and Maintenance Equipment Operators	82	1	120	\$36,960.00	\$10,800.00	8%	4
43-5041.00	Meter Readers, Utilities	81	1	90	\$31,240.00	\$5,080.00	-11%	3
51-9041.00	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	81	2	260	\$28,330.00	\$2,170.00	-7%	5
37-3013.00	Tree Trimmers and Pruners	81	2	0	\$38,080.00	\$11,920.00	0%	0
53-7063.00	Machine Feeders and Offbearers	81	1	480	\$26,820.00	\$660.00	-22%	9
53-4011.00	Locomotive Engineers	81	4	100	\$59,580.00	\$33,420.00	12%	4
51-9121.00	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	81	2	850	\$38,860.00	\$12,700.00	-26%	19
51-9196.00	Paper Goods Machine Setters, Operators, and Tenders	81	2	910	\$38,230.00	\$12,070.00	-26%	23
43-5053.00	Postal Service Mail Sorters, Processors, and Processing Machine Operators	80	2	970	\$41,950.00	\$15,790.00	-12%	10



51-2021.00	Coil Winders, Tapers, and Finishers	80	2	90	\$31,910.00	\$5,750.00	-53%	1
51-4031.00	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	80	2	450	\$27,500.00	\$1,340.00	-14%	11

Top Industries for Refuse and Recyclable Material Collectors

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Waste collection	562100	32.50%	44,187	50,140	13.47%
Waste treatment and disposal	562200	15.26%	20,746	23,452	13.05%
Self-employed workers, primary job	000601	5.78%	7,861	7,537	-4.12%
Remediation and other waste management services	562900	2.12%	2,885	3,434	19.02%
Miscellaneous durable goods merchant wholesalers	423900	0.99%	1,342	1,387	3.32%
General freight trucking	484100	0.91%	1,242	1,264	1.80%
Specialized freight trucking	484200	0.48%	654	662	1.37%
Private households, primary jobs	814100	0.44%	594	555	-6.41%
Self-employed workers, secondary job	000602	0.28%	382	343	-10.41%
Postal service	491100	0.14%	186	170	-8.38%
Colleges, universities, and professional schools, public and private	611300	0.11%	156	157	0.69%
Vocational rehabilitation services	624300	0.10%	135	148	9.63%
Other support services	561900	0.10%	138	170	23.30%
Management of companies and enterprises	551100	0.07%	101	105	3.75%
General medical and surgical hospitals, public and private	622100	0.06%	84	84	-0.36%

Top Industries for Industrial Truck and Tractor Operators

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Warehousing and storage	493100	12.45%	79,310	95,338	20.21%
Building material and supplies dealers	444100	8.14%	51,838	59,620	15.01%
Employment services	561300	6.01%	38,285	43,610	13.91%
Grocery and related product wholesalers	424400	4.08%	25,980	25,568	-1.59%
General freight trucking	484100	3.33%	21,218	21,599	1.80%
Motor vehicle parts manufacturing	336300	2.65%	16,903	12,111	-28.35%



Plastics product manufacturing	326100	2.44%	15,571	14,855	-4.60%
Converted paper product manufacturing	322200	2.19%	13,953	10,538	-24.47%
Lumber and other construction materials merchant wholesalers	423300	2.13%	13,579	14,037	3.37%
Fruit and vegetable preserving and specialty food manufacturing	311400	1.61%	10,255	8,368	-18.40%
Other wood product manufacturing	321900	1.53%	9,723	8,246	-15.19%
Sawmills and wood preservation	321100	1.35%	8,578	6,190	-27.84%
Couriers	492100	1.34%	8,561	8,280	-3.29%
Miscellaneous durable goods merchant wholesalers	423900	1.33%	8,504	8,786	3.32%
Beverage manufacturing	312100	1.21%	7,713	6,519	-15.48%